MAR 1 5 2004

E UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

David Hoyle

Serial No:

09/703,140

Filed:

October 31, 2000

For:

Microprocessor With Rounding Multiply Instructions

Conf. No.: 1023

MAR 1 8 2004

·LETTER TO THE OFFICIAL DRAFTPERSON

Technology Center 2100

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

MAILING CERTIFICATE UNDER 37 C.F.R. §1.8(a)

I hereby certify that the above correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

Docket No.: TI-30554

Examiner: Mai, Tan V.

Art Unit: 2124

Please find enclosed the formal drawings for the subject case. Charge any necessary fees to

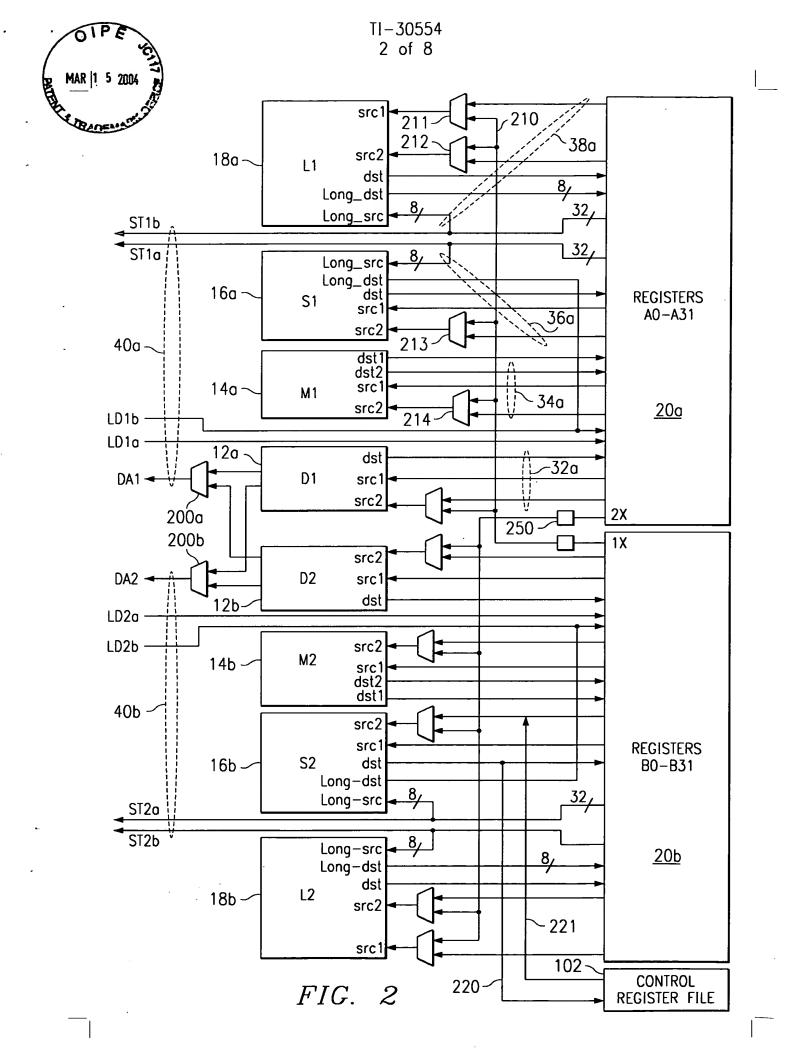
Deposit Account No. 20-0668. This form is submitted in triplicate.

Respectfully submitted,

Indranil Chowdhury Attorney for Applicant

Registration No. 47,490

Robert D. Marshall, Jr. Texas Instruments Incorporated P.O. Box 655474, MS 3999 Dallas, TX 75265 (972) 917-5290





		. 3A	
		FIG.	
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	-	S	
	7	0	l
	~	-	l
	4	-	
	1 5	0P	7
	3 12 1	~	
	3 1	$\widehat{}$	
N THE .L UNIT	17 1	SRC1/CST	5
	22 18	SCR2	5
	27 23 22	DST	5
S 0	28	7	
OPERATIONS ON THE .I	31 29 28 27	CREG	3

		3B	
		FIG.	
	6 5 4 3 2 1 0	0.0 0 0 S P	
	13 12 11 7	x 0P	5
	17 13 1	SRC1/CST	5
	23 22 18	SCR2	5
ON THE .M UNIT		DST	5
OPERATIONS (31 29 28 27	CREG Z	3

		3C	
		FIG.	
	7 6 5 4 3 2 1 0	1 0 0 0 S P	
		ОР	9
	17 13 12	SRC1/CST	5
	22 18	SCR2	5
DPERATIONS ON THE .D UNIT	27 23 22	DST	5
S	28	2	
OPERATION	31 29 28 27	CREG	3

		က	
		FIG.	
	1 0	S	
	2	-	
	3	-	
	4	Ţ	
	9	s/on	3
	7	7	
	∞		
DFFSET (ON THE .D UNIT)	23 22	UCST15	15
LOAD/STORE WITH 15-BIT OFFS		DST/SRC	5
Æ.×	28	2	
LOAD/STO	31 29 28 27	CREG	3

		FIG.	
	0	۵]
	-	S	
	1 2 1	-	
	~	0	
	4	R Y LD/ST	~
	9		
	8 7 6	>	1
	∞	~	
	တ		
	12	MODE	4
D UNIT	17 13	OFFSET R/UCST5	5
FSETR/CST' ON THE .D UNIT	22 18,17	BASE R	5
LOAD/STORE 'BASER' + 'OFFSE	27 23 22	DST/SRC	5
بيا	28	7	
LOAD/STOR	31 29 28 27	CREG	~



C	$\Im H$			36			3H			3I			31	
7	FIG.			FIG.			FIG.			FIG.			FIG.	
4 3 2 1	0 0 0 S B		7 6 5 4 3 2 1 0	1 0 1 0 0 S P		7 6 5 4 3 2 1 0	0P 0 0 1 0 S P	2	7 6 5 4 3 2 1 0	H 1 0 1 0 S P		7 6 5 4 3 2 1 0	0 0 1 0 0 S P	
	O O	9				œ	CSTB	2						
13 12 11	×			:		13 12	<u>8</u>							:
18 17 1	SRC1/CSI	5		CST	16		CSTA	5		DST	16		CST	21
	SRC2	5				FORMS) ON	SRC2	2						
NIT 23 22			23 22			AEDIATE 23 22			S UNIT 23 22			LIN		
THE .S U	DST	5	LINO	DST	5	ions (im	DST	5	ON THE .	DST	5	JE .S 山		
8 6 h	CREG Z	3	ADDK ON THE .S UNIT 31 29 28 27	CREG Z	3	BITFIELD OPERATIONS (IMMEDIATE FORMS) ON THE .S UNIT 31 29 28 27 23 22 18 17	CREG · Z	3	MVK AND MVKH ON THE .S UNIT 31 29 28 27	CREG Z	3	BCOND DISP ON THE .S UNIT 31 29 28 27	CREG Z	3

